

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number: 90665

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number: 90665

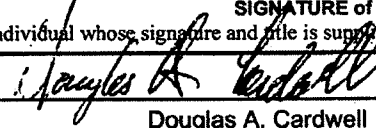
OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone			Email

Assignee Name and Address:

Aptina Imaging Corporation
Walker House, 87 Mary Street
George Town, Grand Cayman KY1-9022, Cayman Islands

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record The individual whose signature and title is supplied below is authorized to act on behalf of the assignee			
Signature		Date	10/15/09
Name	Douglas A. Cardwell	Telephone	408-660-2720
Title	See Attached Power by Resolution		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

APTINA IMAGING CORPORATION
(the "Company")

**WRITTEN RESOLUTIONS OF THE SOLE DIRECTOR
OF THE COMPANY DATED 10 JULY 2009**

1. PATENT, TRADEMARK AND COPYRIGHT PROSECUTION MATTERS

1.1 IT IS RESOLVED that:

- (a) Mr. Douglas A. Cardwell be and is hereby authorised to execute on behalf of the Company, documents pertaining to the Company's patent, trademark and copyright prosecution matters, including but not limited to documents relating to representation before an examining authority and other prosecution procedures, both in the United States and other countries, upon such terms and conditions as he shall deem necessary or appropriate; and
- (b) the Secretary or sole Director of the Company be and is hereby authorised to certify to the adoption and continued effectiveness of these resolutions.

2. GENERAL AUTHORISATION

- 2.1 IT IS RESOLVED** that, in connection with the actions contemplated by the foregoing resolutions, the sole Director, or each of the officers or (if applicable) any attorney or duly authorised signatory of the Company (any such person being an "Attorney" or "Authorised Signatory" respectively) be, and each hereby is, authorised, in the name and on behalf of the Company, to do such further acts and things as the sole Director or any officer or such duly authorised other person shall deem necessary or appropriate in connection with, or to carry out the actions contemplated by, the foregoing resolutions, including to do and perform (or cause to be done and performed), in the name and on behalf of the Company, all such acts and to make, execute, deliver, issue or file (or cause to be made, executed, delivered or filed) with any person including any governmental authority or agency, all such agreements, documents, instruments, certificates, consents and waivers, and all amendments to any such agreements, documents, instruments or certificates, and to pay, or cause to be paid, all such payments, as any of them may deem necessary or advisable to carry out the intent of the foregoing resolutions, the authority for the taking of any such action and the execution and delivery of such of the foregoing to be conclusively evidenced thereby.

3. RATIFICATION OF PRIOR ACTIONS

- 3.1 IT IS RESOLVED** that any and all actions of the Company, or of the sole Director or any officer or any Attorney or Authorised Signatory, taken in connection with the actions contemplated by the foregoing resolutions prior to the execution hereof be and hereby are ratified, confirmed, approved and adopted in all respects as fully as if such action(s) had been presented to for approval, and approved by, the sole Director prior to such action being taken.


Aptina Holdings (Cayman) Inc.
Sole Director

AUTHORISED PERSON

ATTACHMENT "A"

IMAGING PATENTS

Aptina Issued

PATENT NUMBER	FILE NUMBER	TITLE	COUNTRY NAME	ISSUE DATE
		DEVICES		
6819801	AVGO-0040.00/US	A SYSTEM AND METHOD FOR PROCESSING DEMOSAICED IMAGES TO REDUCE COLOR ALIASING ARTIFACTS	United States of America	Nov 16, 2004
6821808	2002-0598.00/US	CMOS APS WITH STACKED AVALANCHE MULTIPLICATION LAYER WHICH PROVIDES LINEAR AND LOGARITHMIC PHOTO-CONVERSION CHARACTERISTICS	United States of America	Nov 23, 2004
6825516	1998-1078.03/US	CMOS IMAGER AND METHOD OF FORMATION	United States of America	Nov 30, 2004
6831476	PBIT-0164.01/US	On-Chip ADC Test For Image Sensors	United States of America	Dec 14, 2004
6835637	1998-0119.04/US	MULTI-LAYERED GATE FOR A CMOS IMAGER	United States of America	Dec 28, 2004
6838653	PBIT-0114.01/US	SHARED PHOTODETECTOR PIXEL IMAGE SENSOR	United States of America	Jan 4, 2005
6838742	1987-1490.03/US	MULTI-TRENCH REGION FOR ACCUMULATION OF PHOTO-GENERATED CHARGE IN A CMOS IMAGER	United States of America	Jan 4, 2005
6841411	AVGO-0074.00/US	METHOD OF UTILIZING A TOP CONDUCTIVE LAYER IN ISOLATING PIXELS OF AN IMAGE SENSOR ARRAY	United States of America	Jan 11, 2005
6844580	1998-0877.03/US	CMOS IMAGER WITH A SELF-ALIGNED BURIED CONTACT	United States of America	Jan 18, 2005
6844897	PBIT-0074.00/US	ACTIVE PIXEL SENSOR (APS) READOUT STRUCTURE WITH AMPLIFICATION	United States of America	Jan 18, 2005
6847051	2002-1153.00/US	ELEVATED PHOTODIODE IN AN IMAGE SENSOR	United States of America	Jan 25, 2005
6847398	PBIT-0036.00/US	LATCHED ROW LOGIC FOR A ROLLING EXPOSURE SNAP	United States of America	Jan 25, 2005
6850642	PBIT-0099.00/US	DYNAMIC HISTOGRAM EQUALIZATION FOR HIGH DYNAMIC RANGE IMAGES	United States of America	Feb 1, 2005
6852591	1998-0019.02/US	METHOD OF FORMING CMOS IMAGER WITH STORAGE CAPACITOR	United States of America	Feb 8, 2005